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POLLUTION ABSTRACTS

1983 ANNUAL INDEX

Volume 14

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PURPOSE: *Pollution Abstracts* organizes, summarizes, and indexes worldwide technical literature on environmental pollution. Published six times a year, *Pollution Abstracts* is designed to help environmentalists, academic researchers, librarians, industrial engineers, lawyers, waste managers, and federal, state, and local government officials locate published materials on pollution-related topics.

SCOPE: *Pollution Abstracts* covers air pollution, marine and freshwater pollution, sewage and wastewater treatment, waste management, toxicology and health, noise pollution, radiation, land pollution, and environmental policies, programs, legislation, and education. Aspects covered include measuring and monitoring techniques, statistics, treatment and control, recovery and recycling, standards and criteria, economic, social, and legal aspects, and the effects of contaminants on animal and plant species in nature and in controlled laboratory experiments.

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ABSTRACTS: The abstracts, up to 200 words in length, give the basic information reported in the original material, including conclusions and methods. Review of the abstracts and annotations assists the user in determining which of the literature should be read in its entirety.

ACCESSION NUMBERS: Abstracts and annotations are numbered sequentially throughout the volume. The first two digits represent the year, e.g., 83-00001, 83-00002, 83-00003, etc.

AUTHOR ADDRESS: The address given for the first author indicates where the work was carried out or where correspondence should be directed. Every effort is made to give a complete address.

SUBJECT INDEXES: Each abstract or annotation is assigned controlled terms which spotlight the main topics in the original material. The controlled vocabulary from which the controlled terms are chosen by the editorial staff is published in the Annual Cumulative Index. Each issue contains its own subject index for the abstracts in that issue.

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CONTROLLED VOCABULARY

Alphabetical by Subject Terms

KEY: sn = scope note u = use uf = use for rt = related term

2,4,5-T
sn Used from 1977 forward
uf Agent Orange
rt Herbicides
2,4-D
sn Used from 1977 forward
rt Herbicides
Absorbents
sn Used from 1973 forward
rt Activated carbon
rt Adsorbents
rt Sorbents
Absorption
rt Adsorption
rt Sorption
Absorption spectroscopy
sn Used from 1973 forward
uf Colorimetry after 1972
rt Spectroscopy
Abstract collections
sn Used for document type
Acaricides
sn Used only before 1978
Accidents
Acid mine drainage
sn Used only 1971-72
u Mine drainage
Acid mine water
sn Used only before 1973
u Mine waters
Acid precipitation
sn Used from 1976 forward
rt Air pollution
Acidic wastes
rt Alkaline wastes
rt Mine drainage
rt Mine waters
rt Mining wastes
Acidity
sn Used from 1973 forward
rt Alkalinity
rt pH
Acids
rt Alkalies
rt Inorganic compounds
Acoustic absorbers
sn Used only before 1973
u Acoustic absorption
Acoustic absorption
sn Used from 1973 forward
uf Acoustic absorbers after 1972
uf Acoustic duct linings after 1972
uf Noise absorption after 1972
uf Sound absorption after 1972
uf Sound attenuation after 1972
rt Acoustic damping
Acoustic damping
sn Used from 1973 forward
uf Noise damping after 1972
rt Acoustic absorption
Acoustic duct linings
sn Used only before 1973
u Acoustic absorption
Acoustic insulation
Acoustic measurements
uf Noise measurements after 1972
uf Sound measurements after 1972
Acoustics
rt Noise levels
rt Noise reduction
rt Sound waves
Actinides
sn Used from 1980 forward
sn See Chemical Classifications, Section Q
Actinium
sn Used from 1979 forward
Actinium compounds
sn Used from 1980 forward
Action groups
sn Used only before 1973
u Public concern
Activated carbon
rt Absorbents
rt Adsorbents
rt Sorbents
Activated sludge
Activated sludge process
sn Used from 1973 forward
uf Activated sludge treatment after 19
Activated sludge treatment
sn Used only before 1973
u Activated sludge process
Adsorbents
sn Used from 1973 forward
rt Absorbents
rt Activated carbon
rt Sorbents
Adsorption
rt Absorption
rt Sorption
Aerated lagoons
sn Used only before 1973
u Lagoons
Aeration
uf Oxygen transfer after 1972
rt Reaeration
Aerators
Aerial photography
sn Used only before 1973
u Photography
u Remote sensing
Aerial surveillance
sn Used only before 1973
u Remote sensing
Aerobic bacteria
sn Used only before 1973
u Bacteria and Aerobic process
Aerobic process
sn Used from 1973 forward
Aerobic systems
uf Aerobic treatment after 1972
Aerobic treatment
sn Used only before 1973
u Aerobic process
Aerodynamic noise
sn Used only before 1973
u Transportation noises
Aerosols
rt Dusts
rt Fumes
rt Mists
rt Particulates
rt Smoke
Affluents
sn Used from 1974 forward
Afterburners
sn Used from 1973 forward
Agent Orange
u 2,4,5-T
Agricultural crops
sn Used from 1973 forward
uf Agricultural plants after 1972
uf Food crops after 1972
Agricultural plants
sn Used only before 1973
u Agricultural crops
Agricultural runoff
sn Used only before 1973
u Runoff
Agricultural wastes
uf Agronomy wastes
uf Farm wastes after 1972
uf Potato wastes after 1972
Agriculture
uf Agronomy
uf Citrus industry after 1972
rt Forestry
rt Horticulture
rt Irrigation
Agronomy
sn Used 1973-79

u Agriculture
rt Forestry
rt Horticulture

Agronomy wastes
sn Used 1975-79
u Agricultural wastes

Air cleaners
sn Used from 1973 forward
uf Air cleaning devices after 1972
uf Air filters after 1972
rt Emission control equipment

Air cleaning devices
sn Used only before 1973
u Air cleaners

Air conditioning

Air diffusers

Air filters
sn Used only before 1973
u Air cleaners

Air monitoring systems
sn Used only before 1973
u Monitoring systems

Air particulates
sn Used only before 1973
u Particulates

Air pollutants
sn Also see individual pollutants, e.g., Carbon monoxide, Hydrocarbons, Ozone, Sulfur dioxide, etc.
uf Photochemical pollutants after 1972

Air pollution
rt Acid precipitation

Air pollution alerts
sn Used from 1973 forward

Air pollution control
uf Air quality control after 1972

Air pollution forecasting
sn Used from 1973 forward
uf Air pollution predictions after 1972
rt Pollution forecasting

Air pollution measurements
sn Used from 1971 forward

Air pollution predictions
sn Used only before 1973
u Air pollution forecasting

Air pollution prevention

Air purification

Air quality

Air quality acts
rt Clean air acts
rt Legislation

Air quality control
sn Used only before 1973
u Air pollution control

Air quality criteria

Air quality measurements
sn Used from 1980 forward

Air quality standards

Air resources
sn Used from 1973 forward

Air sampling

Air stripping
sn Used from 1971 forward
rt Emission control

Air turbulence
u Turbulence

Air-water interactions
sn Used from 1973 forward

Aircraft
uf SST after 1972
uf Supersonic jets after 1972
rt Transportation

Airports

Alcohols
sn Used from 1973 forward
sn Use singular form before 1973

Aldehydes

Aldrin
rt Insecticides

Algae
uf Kelp
uf Microflora 1972-79
uf Seaweeds after 1972
rt Aquatic organisms
rt Freshwater organisms
rt Phytoplankton

Algal blooms
sn Used only before 1980

Algicide residues
u Herbicide residues

Algicides
sn Used only before 1980
u Herbicides

Aliphatic compounds
sn Used from 1973 forward
sn See Chemical Classifications, Section Q

Alkalies
sn Used from 1973 forward
rt Acids
rt Inorganic compounds

Alkaline wastes
sn Used from 1974 forward
uf Brine wastes after 1972
rt Acidic wastes

Alkalinity
sn Used from 1973 forward
rt Acidity
rt pH

Allergies
u Immunology

Alloys

Alpha radiation
sn Used from 1973 forward
rt Radiation

Aluminum

Aluminum compounds

Americium
sn Used from 1972 forward

Americium compounds

Amides
sn Used from 1974 forward

Amines
sn Used from 1971 forward

Amino acids
rt Proteins

Ammonia

Ammonium
sn Used only before 1973
u Cations
u Nitrogen compounds

Amphibians
sn Used from 1973 forward
rt Animals

Anaerobic digestion
sn Used only before 1973
u Anaerobic process

Anaerobic lagoons
sn Used only before 1973
u Anaerobic process
u Lagoons

Anaerobic process
sn Used from 1973 forward
sn Use plural form before 1973
uf Anaerobic digestion after 1972
uf Anaerobic lagoons after 1972

Anaerobic systems

Anatomy
sn Used from 1976 forward

Angiosperms
sn Used from 1973 forward
uf Flowering plants
uf Trees (in part) after 1972
rt Grasses
rt Gymnosperms
rt Plants
rt Vegetation

Animal feeds
sn Used from 1973 forward
sn Use singular form before 1973

Animal tissues
sn Used only before 1973
u Tissues

Animal wastes
uf Poultry wastes after 1972

Animals
uf Fauna after 1976
rt Amphibians
rt Birds
rt Mammals
rt Reptiles

Anions
rt Cations
rt Ions

Annelida
sn Used 1977-79
u Worms after 1979
uf Worms 1977-79

Anodes
sn Used from 1976 forward
rt Cathodes
rt Electrodes

Antagonism
sn Used from 1973 forward
rt Chemical interactions
rt Synergism

Anthelmintics
sn Used from 1980 forward
uf Antihelminthes
rt Nematocides
rt Pesticides

Antibiotic residues

Controlled Vocabulary

Antibiotics
rt Bactericides
rt Drugs
rt Viricides
Antihelminthes
sn Used 1974-79
u Anthelmintics
Antimony
Antimony compounds
Antioxidants
sn Used from 1980 forward
Aquaculture
sn Used only before 1973
u Aquiculture
Aquatic environments
sn Used from 1973 forward
rt Estuaries
rt Freshwater environments
rt Marine environments
Aquatic organisms
uf Aquatic plants after 1972
rt Algae
rt Freshwater organisms
rt Marine organisms
rt Phytoplankt
Aquatic plants
sn Used only before 1973
u Aquatic organisms
Aquiculture
sn Used from 1973 forward
uf Aquaculture after 1972
uf Fish farming after 1972
uf Fish hatcheries after 1971
uf Fisheries
Aquifers
sn Used from 1973 forward
rt Groundwater
rt Water wells
Arachnids
sn Used 1974-76 and 1980 forward
u Arthropoda 1977-80
Argon
sn Used from 1974 forward
Argon compounds
sn Used from 1980 forward
Aromatic compounds
uf Phenol after 1972
Arsenic
Arsenic compounds
sn Used from 1973 forward
Art objects
sn Used from 1980 forward
Arthropoda
sn Used 1977-80
u Arthropods before 1977
u Arachnids after 1977
u Insects or Crustaceans after 1980
uf Crabs 1977-80
uf Crustaceans 1977-80
uf Insects 1977-80
uf Shellfish 1978-80
uf Shellfish (in part) after 1980
uf Shrimps 1977-80
Arthropods
sn Used only before 1977
u Arthropoda 1977-80
u Arachnids after 1977
u Insects or Crustaceans after 1980
Asbestos
Ash
sn Used from 1977 forward
rt Fly ash
Astatine
sn Used from 1980 forward
Astatine compounds
sn Used from 1980 forward
Atlases
sn Used for document type
Atomic absorption
sn Used only before 1973
u Atomic absorption spectroscopy
Atomic absorption spectrophotometry
sn Used only before 1973
u Atomic absorption spectroscopy
Atomic absorption spectroscopy
sn Used from 1973 forward
uf Atomic absorption after 1972
uf Atomic absorption spectrophotometry after 1972
rt Spectroscopy
Atrazine
sn Used from 1974 forward
rt Herbicides
Attractants
rt Repellents
Automobile scrap
rt Scrap metals
rt Solid wastes
Automobiles
sn Used only before 1973
u Motor vehicles
Automotive emission standards
Automotive emissions
sn Used only before 1981
u Automotive exhaust emissions after 1980
uf Automotive pollutants 1977-80
Automotive exhaust devices
sn Used only before 1973
u Automotive exhaust equipment
Automotive exhaust emissions
uf Automotive emissions after 1980
uf Automotive exhausts after 1980
uf Automotive pollutants after 1980
uf Diesel exhaust after 1980
rt Emissions
rt Exhaust emissions
Automotive exhaust equipment
sn Used from 1973 forward
uf Automotive exhaust devices after 1972
uf Mufflers after 1972
rt Emission control equipment
rt Exhaust equipment
Automotive exhausts
sn Used 1973-80
sn Use singular form before 1973
u Automotive exhaust emissions after 1980
uf Diesel exhaust 1973-80
Automotive industry
Automotive industry wastes
sn Used from 1973 forward
Automotive pollutants
sn Used only before 1977
u Automotive emissions 1977-80
u Automotive exhaust emissions after 1980
Avicide residues
sn Used from 1975 forward
Avicides
sn Used from 1971 forward
rt Pesticides
Bacteria
uf Aerobic bacteria after 1972
rt Coliforms
Bactericides
sn Used from 1973 forward
rt Antibiotics
rt Disinfectants
rt Drugs
rt Viricides
Bacteriology
sn Used from 1973 forward
rt Microbiology
Balers
u Compactors
Baling
u Compaction
Barges
sn Used only before 1973
u Ships
Barium
sn Used from 1973 forward
Barium compounds
sn Used from 1974 forward
Bays
sn Used from 1973 forward
Beaches
Behavior
sn Used from 1973 forward
Benomyl
sn Used from 1977 forward
rt Fungicides
Benthic communities
sn Used only before 1973
u Benthic organisms
u Biocenoses
Benthic organisms
sn Used from 1973 forward
uf Benthic communities after 1972
uf Benthos after 19
Benthos
sn Used only before 1973
u Benthic organisms
Berkelium
sn Used from 1980 forward
Berkelium compounds
sn Used from 1980 forward
Beryllium
Beryllium compounds
sn Used from 1973 forward
Beta radiation

sn Used from 1973 forward
rt Radiation
Bibliographies
sn Used from 1973 forward
sn Used for document type
Bioassay techniques
sn Used only before 1973
u Bioassays
Bioassays
sn Used from 1973 forward
uf Bioassay techniques after 1972
Biocenoses
sn Used from 1973 forward
uf Benthic communities after 1972
rt Benthic organisms
rt Ecosystems
Biochemical analysis
Biochemical oxygen demand
u BOD
Biochemistry
rt Pharmacology
Biodegradation
rt Chemical degradation
Biofiltration
rt Filtration
Biogeography
sn Used from 1973 forward
rt Geography
Bioindicators
sn Used from 1973 forward
uf Biological indicators after 1972
uf Pollution indicators after 1971
Biological control
sn Used from 1973 forward
Biological indicators
sn Used only before 1973
u Bioindicators
Biological oxidation
rt Biological treatment
rt Chemical oxidation
rt Oxidation
Biological treatment
uf Biological waste treatment after 1972
rt Biological oxidation
Biological waste treatment
sn Used only before 1973
u Biological treatment
Biology
sn Used from 1973 forward
Biomass
Biosphere
Biosynthesis
sn Used from 1971 forward
Biota
sn Used only before 1973
Birds
uf Poultry after 1976
rt Animals
Bismuth
sn Used from 1973 forward
Bismuth compounds
sn Used from 1980 forward
Blood analysis
sn Used only before 1973
u Hematopoietic system
BOD
uf Biochemical oxygen demand
rt COD
rt Oxygen demand
Boilers
Bone marrow
sn Used only before 1973
u Hematopoietic system
Bones
sn Used only before 1973
u Skeletal system
Books
sn Used from 1973 forward
sn Used for document type
Boron
Boron compounds
sn Used from 1975 forward
Boundary layers
uf Turbulent boundary layers after 1972
Brackish waters
sn Used from 1971 forward
Bromine
Bromine compounds
sn Used from 1974 forward
Bryophytes
sn Used from 1973 forward
uf Hornworts
uf Liverworts
uf Mosses after 1976
Buildings
sn Used from 1972 forward
By-products
sn Used from 1972 forward
Cadmium
Cadmium compounds
sn Used from 1973 forward
Calcium
Calcium compounds
Californium
sn Used from 1972 forward
Californium compounds
sn Used from 1979 forward
Canals
Cancer
sn Used only before 1980
u Carcinogenesis
u Carcinogens
u Pathology
Cannery wastes
sn Used only before 1973
u Food processing industry wastes
Captan
rt Fungicides
Carbamate compounds
sn Used from 1973 forward
uf Urethanes
Carbaryl
uf Sevin after 1971
rt Insecticides
Carbohydrates
sn Used from 1972 forward
Carbon
rt TOC
Carbon compounds
sn Used from 1973 forward
Carbon dioxide
Carbon monoxide
Carboxylic acids
sn Used from 1974 forward
Carcinogenesis
rt Pathology
Carcinogens
rt Mutagens
Cardiovascular pathology
sn Used from 1973 forward
uf Heart disease after 1972
rt Pathology
Cardiovascular system
sn Used from 1973 forward
Catalysis
sn Used from 1973 forward
Catalysts
Catalytic converters
sn Used only before 1973
u Emission control equipment
Catalytic oxidation
sn Used only before 1973
u Chemical oxidation
Cathodes
sn Used from 1973 forward
rt Anodes
rt Electrodes
Cations
uf Ammonium after 1972
rt Anions
rt Ions
Cells
sn Used from 1973 forward
rt Cytology
Cellulose
sn Used only before 1973
Centrifugation
sn Used from 1973 forward
Centrifuges
Cerium
Cerium compounds
sn Used from 1975 forward
Cesium
Cesium compounds
sn Used from 1975 forward
Channels
sn Used from 1973 forward
Charcoal
Chelation
sn Used before 1973 and after 1980
Chemical analysis
Chemical collectors
sn Used from 1975 forward
rt Electric collectors
rt Mechanical collectors
Chemical degradation
sn Used from 1973 forward
rt Biodegradation
Chemical industry
uf Petrochemical industry after 1973
Chemical industry wastes
sn Used from 1973 forward

Controlled Vocabulary

Chemical interactions
rt Antagonism
rt Synergism
Chemical oxidation
uf Catalytic oxidation after 1972
rt Biological oxidation
rt Oxidation
Chemical oxygen demand
u COD
Chemical pollutants
Chemical reactions
sn Used from 1973 forward
uf Acetylene reduction
rt Chlorination
rt Hydrogenation
rt Hydrolysis
Chemical recovery
rt Materials recovery
rt Minerals recovery
Chemical treatment
Chemical wastes
Chemical/biological warfare
sn Used only before 1975
Chemicals
sn Used from 1973 forward
rt Petrochemicals
rt Photochemicals
Chemiluminescence
Chemistry
sn Used from 1973 forward
Chlordane
rt Insecticides
Chlorides
sn Used only before 1973
u Chlorine compounds
Chlorinated hydrocarbon compounds
sn Used 1973-79
u Organochlorine compounds
Chlorination
rt Chemical reactions
rt Disinfection
Chlorine
rt Disinfectants
Chlorine compounds
uf Chlorides after 1972
rt Disinfectants
Chlorophenoxy acids
sn Used only before 1975
Chlorophenoxyacetic acids
sn Used from 1975 forward
sn Also use singular form 1975-77
Chlorophyll
sn Used only before 1976
u Pigments
rt Photosynthesis
Chordata
uf Protochordates
Chromatography
rt Gas chromatography
rt Liquid chromatography
Chromium
Chromium compounds
sn Used from 1974 forward
Circulation
sn Used from 1973 forward
Circulatory pathology
sn Used from 1973 forward
rt Pathology
Circulatory system
sn Used from 1973 forward
Citrus industry
sn Used only before 1973
u Agriculture
Civil engineering
sn Used only before 1972
u Engineering
Clay
sn Used only before 1973
Clean air acts
rt Air quality acts
rt Legislation
Cleaning process
sn Used from 1973 forward
uf Degreasing
uf Pickle liquor after 1972
Club mosses
u Tracheophytes
Coagulants
uf Flocculants
Coagulation
rt Separation processes
Coal
rt Fossil fuels
Coal conversion
sn Used from 1980 forward
uf Coal gasification after 1980
Coal gasification
sn Used 1977-80
u Coal conversion
Coal industry
sn Used only before 1974
u Mining
Coastal engineering
sn Used only before 1973
u Engineering
Coastal waters
Coastal zones
sn State and country coastal terms in Geographic term list
Cobalt
Cobalt compounds
COD
uf Chemical oxygen demand
rt BOD
rt Oxygen demand
Coelenterata
sn Used from 1979 forward
rt Marine organisms
Coke
Coking process
sn Used only before 1973
Coliforms
rt Bacteria
Colloids
rt Suspended solids
Color removal
Colorimetry
sn Used only before 1973
u Absorption spectroscopy
Combustion
uf Combustion processes after 1972
Combustion engines
sn Used only before 1972
u External-combustion engines
u Internal-combustion engines
Combustion processes
sn Used only before 1973
u Combustion
Compaction
uf Baling
uf Waste compaction
Compactors
uf Balers
uf Compressors after 1972
uf Waste compactors
Compost
sn Used from 1973 forward
Compost plants
sn Used only before 1973
Composting
Compound engines
rt Engines
Computer programs
Computers
Conductometry
sn Used from 1974 forward
Conferences
sn Used for document type
Conservation
Construction industry
Construction industry wastes
sn Used from 1973 forward
Construction materials
sn Used from 1974 forward
Consumer products
sn Used from 1980 forward
rt Detergents
Contaminant detection
Contaminant measurements
Contaminant removal
rt Pollutant removal
Contaminants
Contamination
rt Infiltration
Contracts
sn Used for document type
Cooling systems
uf Cooling towers after 1972
Cooling towers
sn Used only before 1973
u Cooling systems
Cooling waters
Copper
Copper compounds
sn Used from 1973 forward
Corrosion
Corrosion protection
sn Used only before 1973
u Materials protection
Cosmic radiation
sn Used from 1976 forward
rt Radiation

Cost-benefit analysis
sn Used from 1977 forward
rt Economics
Coulometry
sn Used from 1974 forward
rt Electrochemistry
Crabs
sn Used only before 1977
u Arthropoda 1977-80
u Crustaceans after 1980
Crude oil
sn Used only before 1973
u Petroleum
Crustaceans
sn Used before 1977 and after 1980
u Arthropoda 1977-80
uf Arthropoda (in part) after 1980
uf Crabs after 1980
uf Shellfish (in part) after 1980
uf Shrimps after 1980
rt Marine organisms
Curium
sn Used from 1974 forward
Curium compounds
sn Used from 1977 forward
Currents
Cyanides
sn Used from 1975 forward
sn Use singular form before 1975
uf Nitriles
Cyclic compounds
sn Used only before 1980
Cyclone collectors
sn Used from 1973 forward
rt Inertial separators
rt Mechanical collectors
Cytochemistry
sn Used from 1973 forward
Cytology
sn Used from 1973 forward
rt Cells
Cytotoxicity
sn Used only before 1973
u Toxicity
Dairies
Dams
Data collections
sn Used from 1980 forward
Data processing
Data systems
DDD
sn Used 1970-71 and 1977 forward
rt Insecticides
DDE
sn Used 1970-72 and 1977 forward
rt Insecticides
DDT
rt Insecticides
Decay
sn Used from 1973 forward
rt Nitrogen cycle
Deep-sea disposal
sn Used from 1977 forward
rt Disposal sites
Deep-well disposal
sn Used only before 1973
u Disposal wells
Defoliants
sn Used from 1977 forward
uf Defoliation after 1972
rt Herbicides
Defoliation
sn Used only before 1973
u Defoliants
Degradation
sn Used only before 1978
u Biodegradation
u Chemical degradation
Degreasing
u Cleaning process
Demineralization
rt Water demineralization
Denitrification
rt Nitrification
rt Nitrogen removal
Desalination
Desalination plants
Design criteria
sn Used only before 1973
u Engineering
Destratification
Desulfurization
sn Used only before 1972
u Sulfur removal
Detergent additives
sn Used only before 1973
Detergents
rt Consumer products
rt Surfactants
Diagnostic radiation
sn Used from 1980 forward
Dialysis
sn Used from 1973 forward
uf Electrodialysis after 1972
Diazinon
rt Insecticides
Dieldrin
rt Insecticides
Diesel engines
sn Used only before 1973
u Internal-combustion engines
Diesel exhaust
sn Used only before 1973
u Automotive exhausts 1974-79
u Automotive exhaust emissions after 1979
Diffusion
Digesters
Digestion
sn Used from 1973 forward
Digestive pathology
sn Used from 1973 forward
rt Pathology
Digestive system
sn Used from 1973 forward
Diquat
rt Herbicides
Directories
sn Used for document type
Diseases
rt Pathology
Disinfectants
sn Used from 1973 forward
uf Fumigants
rt Bactericides
rt Chlorine
rt Chlorine compounds
rt Ozone
rt Viricides
Disinfection
sn Used from 1980 forward
sn See Water Purification, Section Q
rt Chlorination
rt Ozonation
Dispersants
rt Oil removers
Dispersion
rt Pollutant dispersal
Disposal sites
uf Waste dumps after 1972
rt Deep-sea disposal
rt Disposal wells
rt Injection wells
rt Landfills
rt Outfalls
Disposal wells
uf Waste disposal wells after 1972
rt Disposal sites
rt Injection wells
Dissolved nutrients
Dissolved oxygen
sn Used only before 1973
u DO
Dissolved solids
Distillation
rt Separation processes
Distribution
sn Used from 1973 forward
DO
sn Used from 1973 forward
uf Dissolved oxygen after 1972
Domestic wastes
sn Used from 1973 forward
Drainage
sn Used from 1973 forward
Dredge spoil
Dredging
uf Dredging industry
Dredging industry
u Dredging
Drug residue
sn Used only before 1973
u Drugs and Residues
Drugs
rt Antibiotics
rt Bactericides
rt Pharmacology
rt Toxicology
Dust collectors
sn See Emission Control, Section Q
Dust control
sn Used only before 1973

u Dusts
Dusts
sn Used from 1973 forward
sn Use singular form before 1973
uf Dust control after 1972
uf Fiber mist after 1971
rt Aerosols
rt Fumes
rt Mists
rt Smoke
Dye tracers
Dyes
Dynamic precipitators
sn Used from 1980 forward
Dysprosium
sn Used from 1980 forward
Dysprosium compounds
sn Used from 1980 forward
Ear damage
sn Used only before 1973
u Sense organ pathology
Echinodermata
sn Used from 1977 forward
uf Echinoderms after 1975
rt Marine organisms
Echinoderms
sn Used only before 1976
u Echinodermata
Ecology
Economics
sn Use with period for full 1973 set
rt Cost-benefit analysis
Ecosystems
rt Biocenoses
Education
rt Training
Effluent disposal
Effluent standards
Effluent treatment
rt Wastewater treatment
Effluents
rt Industrial effluents
rt Municipal wastewaters
rt Wastewaters
Eggs
uf Eggshell thickness after 1972
rt Embryos
rt Fetuses
rt Larvae
Eggshell thickness
sn Used only before 1973
u Eggs
Einsteinium
sn Used from 1980 forward
Einsteinium compounds
sn Used from 1977 forward
Electric cars
sn Used only before 1973
u Motor vehicles
Electric collectors
sn Used from 1973 forward
rt Chemical collectors
rt Electrostatic precipitators
rt Mechanical collectors
Electric engines
sn Used from 1973 forward
rt Engines
Electric power
Electric power generation
sn Used only before 1973
Electric power industry
sn Used only before 1973
u Electric power plants
Electric power plants
uf Electric power industry after 1972
uf Hydroelectric plants
rt Power plants
rt Nuclear power plants
Electricity
sn Used from 1973 forward
Electroanalysis
sn Used from 1973 forward
Electrochemistry
uf Electrolysis after 1972
uf Electrophoresis after 1971
rt Coulometry
rt Polarography
rt Voltammetry
Electrodes
sn Used from 1973 forward
rt Anodes
rt Cathodes
Electrodialysis
sn Used only before 1973
u Dialysis
Electrolysis
sn Used only before 1973
u Electrochemistry
Electron microscopy
sn Used only before 1977
u Microscopy
Electronics
Electronics industry
sn Used 1970-73 and 1978 forward
Electronics industry wastes
sn Used from 1973 forward
Electrophoresis
sn Used only before 1972
u Electrochemistry
Electrostatic precipitators
rt Electric collectors
Embryology
sn Used from 1974 forward
Embryos
rt Eggs
rt Fetuses
rt Larvae
Emission control
Emission control equipment
sn See Emission Control, Section Q
uf Catalytic converters after 1972
uf Exhaust systems after 1972
rt Air cleaners
rt Automotive exhaust equipment
Emission inventories
sn Used from 1973 forward
Emission measurements
sn Used from 1971 forward
Emission spectroscopy
sn Used from 1973 forward
rt Spectroscopy
Emission standards
Emissions
rt Automotive exhaust emissions
rt Exhaust emissions
rt Industrial emissions
rt Stack emissions
Emulsifiers
Emulsions
Endangered species
sn Used from 1973 forward
rt Extinction
Endocrine pathology
sn Used from 1974 forward
rt Pathology
Endocrine system
sn Used from 1973 forward
Endosulfan
sn Used from 1977 forward
rt Insecticides
Endrin
rt Insecticides
Energy recovery
sn Used from 1976 forward
Energy sources
Engine designs
sn Used from 1973 forward
sn Also use singular form 1970-75
Engine noise
sn Used only before 1973
u Industrial noises
Engineering
sn Used from 1973 forward
uf Civil engineering after 1971
uf Coastal engineering after 1972
uf Design criteria after 1972
uf Environmental engineering after 1972
uf Sanitary engineering after 1972
Engines
rt Compound engines
rt Electric engines
rt External-combustion engines
rt Gas engines
rt Gasoline engines
rt Internal-combustion engines
rt Multifuel engines
rt Steam engines
Environmental conditions
sn Used only before 1973
Environmental destruction
sn Used only before 1973
u Environmental deterioration
Environmental deterioration
uf Environmental destruction after 1972
Environmental engineering
sn Used only before 1973
u Engineering
Environmental impact
sn Used from 1975 forward
Environmental impact statements
sn Used from 1977 forward
Environmental management

rt Resource management
Environmental protection
uf Environmental quality control after 1972
Environmental Protection Agency
u EPA
Environmental quality control
sn Used only before 1973
u Environmental protection
Enzymes
EPA
uf Environmental Protection Agency
Epidemiology
sn Used from 1973 forward
rt Occupational health
rt Public health
Erbium
sn Used from 1979 forward
Erbium compounds
sn Used from 1979 forward
Erosion
Esters
sn Used from 1973 forward
Estuaries
rt Aquatic environments
rt Freshwater environments
rt Marine environments
Ethers
sn Used from 1973 forward
Europium
sn Used from 1979 forward
Europium compounds
sn Used from 1980 forward
Eutrophication
rt Lakes
rt Phosphorus
Evaporation
rt Vaporization
Excretion
sn Used from 1973 forward
Excretory pathology
sn Used from 1973 forward
rt Pathology
Excretory system
sn Used from 1973 forward
Exhaust emissions
uf Exhaust gases after 1972
rt Automotive exhaust emissions
rt Emissions
Exhaust equipment
sn Used from 1973 forward
uf Mufflers after 1972
rt Automotive exhaust equipment
rt Emission control equipment
rt Pollution control equipment
Exhaust gases
sn Used only before 1973
u Exhaust emissions
Exhaust systems
sn Used only before 1973
u Emission control equipment
Explosions
rt Nuclear explosions
rt Shredders
External-combustion engines
sn Used from 1973 forward
uf Combustion engines after 1971
rt Engines
rt Internal-combustion engines
rt Steam engines
Extinction
sn Used from 1975 forward
sn Used for organism
rt Endangered species
Eye irritation
sn Used only before 1973
u Sense organ pathology
Eyes
u Sensory system
Fan noise
sn Used only before 1973
u Industrial noises
Fans
sn Used only before 1973
u Ventilation
Farm wastes
sn Used only before 1973
u Agricultural wastes
Fatty acids
sn Used only before 1973
u Lipids
Fauna
sn Used only before 1977
u Animals
Feasibility studies
sn Used from 1973 forward
Federal agencies
rt Government agencies
rt State agencies
Federal policies
sn Used from 1973 forward
rt Government policies
rt State policies
Federal programs
sn Used from 1971 forward
rt Government programs
rt Regional planning
rt State programs
Federal regulations
sn Used from 1973 forward
rt Government regulations
rt Legislation
rt State regulations
Feedlot wastes
sn Used from 1973 forward
Fermentation
Fermium
sn Used from 1980 forward
Fermium compounds
sn Used from 1980 forward
Ferns
u Tracheophytes
Fertilizers
Fetuses
rt Eggs
rt Embryos
rt Larvae
Fiber mist
sn Used only before 1972
u Dusts
u Mists
Fiberglass
sn Used from 1971 forward
Filter media
rt Filters
Filters
uf Trickling filters 1974-80
rt Filter media
Filtration
uf Ultrafiltration after 1972
rt Biofiltration
rt Separation processes
Fire retardants
sn Used from 1980 forward
Fires
Fish
sn Used from 1973 forward
sn Use plural form before 1973
Fish farming
sn Used only before 1973
u Aquiculture
u Fisheries
Fish hatcheries
sn Used only before 1972
u Aquiculture
u Fisheries
Fish kills
Fisheries
uf Fish farming after 1972
uf Fish hatcheries after 1971
rt Aquiculture
Fishing industry
Fishing industry wastes
sn Used from 1973 forward
Flocculants
u Coagulants
Flocculation
Flooding
Flora
sn Used only before 1976
u Plants
u Vegetation
Flotation
Flow rates
sn Used from 1973 forward
sn Use singular form before 1973
Flowering plants
u Angiosperms
Flue gas
sn Used only before 1973
u Gases
Flue gas desulfurization
sn Used from 1977 forward
rt Sulfur removal
Fluid dynamics
sn Used only before 1973
u Fluid mechanics
Fluid mechanics
sn Used from 1971 forward
uf Fluid dynamics after 1972
uf Hydrodynamics after 1972
uf Jet flows after 1973

rt Hydraulics
Fluidized bed processing
sn Used from 1971 forward
Fluorescence
sn Used from 1980 forward
rt Luminescence
Fluoride content
sn Used only before 1973
Fluorides
Fluorine
Fluorine compounds
uf Hydrogen fluoride after 1972
Fluorometers
sn Used only before 1973
Fly ash
rt Ash
Fogs
sn Used from 1974 forward
sn Use singular form before 1974
Food additives
sn Used only before 1973
u Chemicals and Food processing industry
Food chains
sn Used from 1973 forward
sn Use singular form before 1974
Food crops
sn Used only before 1973
u Agricultural crops
Food processing industry
uf Meat processing
Food processing industry wastes
uf Cannery wastes after 1972
Food products
sn Used only before 1973
u Foods
Foods
sn Used from 1973 forward
uf Food products after 1972
Forestry
rt Agriculture
rt Horticulture
Forestry wastes
sn Used from 1973 forward
Forests
Fossil fuels
rt Coal
rt Fuels
rt Gasoline
rt Kerosene
rt Liquefied natural gas
rt Liquefied petroleum gas
rt Natural gas
rt Peat
Fouling
sn Used from 1973 forward
Foundries
rt Metal finishing industry
Francium
sn Used from 1980 forward
Francium compounds
sn Used from 1980 forward
Freezing
sn Used from 1973 forward
Fresh waters
sn Used from 1973 forward
Freshwater environments
sn Used from 1973 forward
rt Aquatic environments
rt Estuaries
rt Lakes
rt Ponds
rt Rivers
rt Streams
Freshwater organisms
sn Used from 1973 forward
rt Algae
rt Aquatic organisms
rt Phytoplankton
rt Zooplankton
Fuel additives
sn Used only before 1973
u Lead compounds
Fuel combustion
sn Used only before 1973
u Combustion and Fuels
Fuel gases
sn Used from 1973 forward
rt Gases
Fuel oils
sn Used from 1973 forward
sn Use singular form before 1973
rt Oils
Fuel reprocessing
u Fuels and Industries
Fuel reprocessing plants
u Fuels and Industries
Fuels
rt Fossil fuels
rt Metallurgical fuels
rt Nuclear fuels
rt Propellants
rt Pulverized fuels
Fumes
rt Aerosols
rt Dusts
rt Mists
rt Smoke
Fumigants
u Disinfectants
u Pesticides
Fumigation
sn Used from 1973 forward
sn Use for atmospheric phenomena
Fungi
Fungicide residues
sn Used from 1975 forward
Fungicides
sn See Pesticides Classification, Section Q
rt Herbicides
rt Pesticides
Furnaces
Gadolinium
sn Used from 1976 forward
Gadolinium compounds
sn Used from 1980 forward
Gallium
sn Used from 1978 forward
Gallium compounds
sn Used from 1980 forward
Gamma irradiation
sn Used only before 1973
u Gamma radiation
Gamma radiation
sn Used from 1972 forward
uf Gamma irradiation after 1972
rt Radiation
Garbage
sn Used only before 1973
u Refuse
Gas chromatography
uf Gas-liquid chromatography after 1972
rt Chromatography
rt Liquid chromatography
Gas engines
sn Used from 1973 forward
rt Engines
Gas industry
sn Used from 1973 forward
rt Petroleum industry
Gas industry wastes
sn Used from 1975 forward
Gas turbines
sn Used only before 1973
u Internal-combustion engines
Gas-liquid chromatography
sn Used only before 1973
u Gas chromatography
Gaseous waste disposal
sn Used from 1973 forward
rt Waste disposal
Gaseous waste treatment
sn Used from 1973 forward
sn See Emission Control, Section Q
rt Waste treatment
Gaseous wastes
sn Used from 1973 forward
Gases
sn See Chemical Classifications, Section Q
uf Flue gases after 1972
uf Waste gases after 1971
rt Fuel gases
rt Nitrogen
Gasoline
rt Fossil fuels
rt Lead-free gasoline
Gasoline engines
rt Engines
Gastropods
sn Used only 1973-77
u Mollusca
Generators
Genetics
rt Mutagens
rt Mutation
Geography
sn Used from 1973 forward
rt Biogeography
Geology
Geothermal fields
sn Used only before 1973

  - u Geothermal resources
- **Geothermal resources**
  - sn Used from 1973 forward
  - uf Geothermal fields after 1972
- **Germanium**
  - sn Used from 1979 forward
- **Germanium compounds**
  - sn Used from 1979 forward
- **Glands**
  - sn Used only before 1973
- **Glass**
- **Glass industry**
  - sn Used from 1973 forward
- **Glass industry wastes**
  - sn Used from 1974 forward
- **Glossaries**
  - sn Used from 1973 forward
  - sn Used for document type
- **Gold**
  - sn Used from 1974 forward
- **Gold compounds**
  - sn Used from 1980 forward
- **Government agencies**
  - rt Federal agencies
  - rt State agencies
- **Government funding**
  - sn Used only before 1973
- **Government policies**
  - rt Federal policies
  - rt State policies
- **Government programs**
  - rt Federal programs
  - rt State programs
- **Government regulations**
  - rt Federal regulations
  - rt International regulations
  - rt Legislation
  - rt Regional regulations
  - rt State regulations
- **Grasses**
  - rt Angiosperms
- **Gravimetric analysis**
  - sn Used from 1974 forward
- **Gravity collectors**
  - sn Used from 1973 forward
  - rt Mechanical collectors
  - rt Settling chambers
- **Groundwater**
  - sn Used from 1972 forward
  - sn Use Ground water before 1972
  - rt Aquifers
- **Groundwater contamination**
  - sn Used from 1972 forward
  - sn Use Ground water contamination before 1972
- **Groundwater pollution**
  - sn Used from 1973 forward
- **Groundwater recharge**
  - sn Used from 1972 forward
  - sn Use Ground water recharge before 1972
- **Groundwater runoff**
  - u Runoff
- **Growth**
  - sn Used from 1973 forward
  - uf Growth inhibitors after 1972
  - uf Plant growth after 1972
- **Growth inhibitors**
  - sn Used only before 1973
  - u Growth
- **Growth rate**
  - sn Also use plural form 1973-75
- **Gulfs**
  - sn Used from 1976 forward
- **Gymnosperms**
  - sn Used from 1973 forward
  - uf Trees (in part) after 1972
  - rt Angiosperms
- **Habitats**
  - sn Used from 1973 forward
- **Hafnium**
  - sn Used from 1980 forward
- **Hafnium compounds**
  - sn Used from 1980 forward
- **Halogenated compounds**
  - sn Used from 1980 forward
- **Halogenated pesticides**
  - sn Used 1973-80
- **Harbors**
  - uf Ports after 1972
- **Hazardous materials**
  - sn Used from 1972 forward
  - rt Toxic materials
- **Hazes**
  - sn Used from 1974 forward
- **Hearing**
  - sn Used from 1973 forward
- **Hearing impairment**
  - sn Used only before 1973
  - u Sense organ pathology
- **Hearing loss**
  - sn Used only before 1973
  - u Sense organ pathology
- **Heart disease**
  - sn Used only before 1973
  - u Cardiovascular pathology
- **Heat exchange**
- **Heat exchangers**
- **Heat recovery**
- **Heating systems**
  - sn Used from 1973 forward
- **Heavy metals**
  - sn See Chemical Classifications, Section Q
  - rt Metals
- **Helium**
  - sn Used from 1975 forward
- **Helium compounds**
  - sn Used from 1979 forward
- **Hematology**
  - sn Used from 1973 forward
- **Hematopoietic pathology**
  - sn Used from 1973 forward
  - rt Pathology
- **Hematopoietic system**
  - sn Used from 1973 forward
  - uf Blood analysis after 1972
  - uf Bone marrow after 1972
- **Heptachlor**
  - rt Insecticides
- **Herbicide residues**
  - sn Used from 1973 forward
  - uf Algicide residues
- **Herbicides**
  - sn See Pesticides Classification, Section
  - uf Algicides after 1979
  - rt Defoliants
  - rt Fungicides
  - rt Pesticides
- **Heterocyclic compounds**
  - sn Used from 1974 forward
- **Hexachlorobenzene**
  - sn Used from 1977 forward
  - rt Fungicides
- **Highways**
- **Histochemistry**
  - sn Used from 1975 forward
- **Histology**
- **Historical reviews**
  - sn Used from 1974 forward
  - sn Used for document type
- **Holmium**
  - sn Used from 1980 forward
- **Holmium compounds**
  - sn Used from 1980 forward
- **Hormones**
- **Hornworts**
  - u Bryophytes
- **Horsetails**
  - u Tracheophytes
- **Horticulture**
  - sn Used before 1972 and after 1979
  - rt Agriculture
  - rt Forestry
- **Human tissues**
  - sn Used only before 1973
  - u Tissues
- **Humans**
  - sn Used from 1977 forward
  - rt Public health
- **Humidity**
  - sn Used from 1980 forward
- **Hydraulics**
  - sn Used from 1976 forward
  - uf Jet flows after 1973
  - rt Fluid mechanics
- **Hydrocarbon residues**
  - sn Used only before 1973
- **Hydrocarbons**
  - sn See Chemical Classifications, Sectio Q
- **Hydrodynamics**
  - sn Used only before 1973
  - u Fluid mechanics
- **Hydroelectric plants**
  - u Electric power plants
- **Hydrogen**
  - sn Used from 1972 forward
- **Hydrogen compounds**
  - sn Used from 1973 forward
- **Hydrogen fluoride**
  - sn Used only before 1973

u Fluorine compounds
Hydrogen sulfide
sn Used only before 1973
u Sulfur compounds
Hydrogenation
rt Chemical reactions
Hydrology
Hydrolysis
rt Chemical reactions
Immunology
sn Used from 1974 forward
uf Allergies
Impactors
sn Used from 1980 forward
Impingement collectors
sn Used from 1975 forward
rt Inertial separators
rt Mechanical collectors
Impoundments
Incineration
rt Waste disposal
Incineration plants
sn Used only before 1973
Incineration residues
sn Used only before 1973
Incinerators
Indium
sn Used from 1971 forward
Indium compounds
sn Used from 1980 forward
Industrial effluents
sn Used from 1973 forward
rt Effluents
rt Industrial wastes
rt Wastewaters
Industrial emissions
rt Emissions
rt Industrial wastes
rt Stack emissions
Industrial noises
sn Used from 1973 forward
sn Use singular form before 1973
uf Fan noise after 1972
uf Noise sources after 1973
Industrial odors
sn Used only before 1973
u Odors
Industrial plants
Industrial pollutants
Industrial programs
sn Use with period for full 1973 set
Industrial wastes
rt Industrial effluents
rt Industrial emissions
Industries
sn Used from 1973 forward
uf Industry after 1977
Industry
sn Used only before 1978
u Industries
Inertial separators
sn Used from 1973 forward
rt Cyclone collectors
rt Impingement collectors
rt Mechanical collectors
Infiltration
rt Contamination
Inflammation
sn Used from 1973 forward
Infrared detectors
sn Used only before 1973
u Monitoring instruments
Infrared radiation
sn Used from 1973 forward
rt Radiation
Infrared spectra
sn Used only before 1973
u Infrared spectroscopy
Infrared spectroscopy
sn Used from 1973 forward
uf Infrared spectra after 1972
rt Spectroscopy
Injection wells
uf Recharge wells
rt Disposal sites
rt Disposal wells
rt Water wells
rt Wells
Inland waters
rt Limnology
Inorganic compounds
sn Used from 1973 forward
sn See Chemical Classifications, Section Q
rt Acids
rt Alkalies
rt Salts
Inorganic pesticides
sn Used 1974-80
Inorganic wastes
sn Used from 1975 forward
Insecticide residues
Insecticides
sn See Pesticides Classification, Section Q
rt Pesticides
Insects
sn Used before 1978 and after 1980
u Arthropoda 1978-80
Instruments
rt Laboratory instruments
rt Measuring instruments
rt Monitoring instruments
rt Sampling instruments
Insurance
sn Used only before 1976
Integumentary pathology
sn Used from 1973 forward
uf Skin irritation after 1972
rt Pathology
Integumentary system
sn Used from 1973 forward
Internal-combustion engines
sn Used from 1973 forward
sn Use Internal combustion engines in 1970
sn Use Internal combustion engine 1971-72
uf Combustion engines after 1971
uf Gas turbines
uf Jet engines after 1972
uf Turbines after 1972
uf Turbofan engines after 1972
rt Engines
rt External-combustion engines
International agencies
sn Used from 1973 forward
International agreements
International cooperation
International law
rt Legislation
International regulations
sn Used from 1980 forward
rt Government regulations
International waters
Inversion
Invertebrates
sn Used only before 1978
Iodine
Iodine compounds
sn Used from 1975 forward
Ion exchange
Ion removal
Ions
sn Used from 1972 forward
rt Anions
rt Cations
Iridium
sn Used from 1974 forward
Iridium compounds
sn Used from 1980 forward
Iron
Iron compounds
Irradiation
rt Radiation
Irrigation
rt Agriculture
Isocyanates
sn Used from 1980 forward
Isotopes
sn Used from 1971 forward
rt Radioisotopes
Jet engines
sn Used only before 1973
u Internal-combustion engines
Jet flows
sn Used only before 1974
u Fluid mechanics
u Hydraulics
Jet noise
sn Used only before 1973
u Transportation noises
Kelp
u Algae
Kepone
sn Used from 1977 forward
rt Insecticides
Kerosene
sn Used from 1973 forward
rt Fossil fuels
Ketones
sn Used from 1975 forward
Kinetics

Kraft mill processes
sn Used only before 1973
u Paper industry
Kraft mill wastes
sn Used only before 1973
u Paper industry wastes
Kraft mills
sn Used only before 1973
u Paper industry
Krypton
sn Used from 1971 forward
Krypton compounds
sn Used from 1980 forward
Laboratory instruments
sn Used from 1973 forward
rt Instruments
Laboratory methods
sn Used from 1973 forward
sn Use with period for full 1973 set
Laboratory testing
sn Used from 1980 forward
Lagoons
sn Used from 1973 forward
uf Aerated lagoons after 1972
uf Anaerobic lagoons after 1972
uf Oxidation ponds after 1972
uf Stabilization ponds after 1972
rt Ponds
Lakes
rt Eutrophication
rt Freshwater environments
Lamellibranchs
sn Used only before 1978
u Mollusca
Land application
sn Used from 1976 forward
Land conservation
sn Used only before 1973
Land development
Land pollution
Land reclamation
Land resources
sn Used from 1973 forward
Landfills
uf Sanitary landfills after 1972
rt Disposal sites
Lanthanides
sn Used from 1980 forward
sn See Chemical Classifications, Section Q
Lanthanum
sn Used from 1974 forward
Lanthanum compounds
sn Used from 1978 forward
Larvae
sn Used from 1973 forward
rt Eggs
rt Embryos
rt Fetuses
Laser infrared radar
u Lidar
Lasers
Law enforcement
sn Used only before 1973
u Legal actions
Lawrencium
sn Used from 1980 forward
Lawrencium compounds
sn Used from 1980 forward
Lawsuits
sn Used only before 1973
u Legal actions
Leachates
Leaching
rt Pollutant dispersal
Lead
Lead compounds
uf Fuel additives after 1972
Lead concentrations
sn Used only before 1973
Lead removal
Lead-free gasoline
sn Also use plural form in 1970
rt Gasoline
Leaves
sn Used only before 1975
u Plants
Legal actions
uf Law enforcement after 1972
uf Lawsuits after 1972
Legal aspects
sn Used from 1973 forward
Legislation
sn Use with period for full 1973 set
uf State legislation after 1972
rt Air quality acts
rt Clean air acts
rt Federal regulations
rt Government regulations
rt International laws
rt State regulations
rt Water quality acts
Liability
sn Used before 1973 and after 1979
Lichens
sn Used from 1973 forward
Lidar
uf Lasar infrared radar
rt Remote sensing
Light
sn Used from 1973 forward
Light scattering
sn Used only before 1973
Lime
Lime treatment
sn Used only before 1973
Limestone
Limnology
rt Inland waters
Lindane
rt Insecticides
Lipids
uf Fatty acids after 1972
Liquefied natural gas
sn Used from 1973 forward
uf Liquid natural gas after 1972
uf LNG
rt Fossil fuels
Liquefied petroleum gas
sn Used from 1973 forward
uf LPG after 1972
rt Fossil fuels
Liquid chromatography
sn Used from 1973 forward
uf Thin layer chromatography after 197
rt Chromatography
rt Gas chromatography
Liquid natural gas
sn Used only before 1973
u Liquefied natural gas
Liquid waste disposal
sn Used from 1973 forward
rt Waste disposal
Liquid waste treatment
sn Used from 1973 forward
rt Waste treatment
rt Wastewater treatment
Liquid wastes
Liquor wastes
sn Used only before 1973
Literature reviews
sn Used from 1973 forward
sn Used for document type
Lithium
sn Used from 1975 forward
Lithium compounds
sn Used from 1975 forward
Litter
Liver
sn Used from 1980 forward
Liverworts
u Bryophytes
Livestock
sn Used only before 1978
LNG
u Liquefied natural gas
London smog
sn Used from 1974 forward
rt Photochemical smog
rt Smogs
LPG
sn Used only before 1973
u Liquefied petroleum gas
Lumber industry
Lumber industry wastes
sn Used from 1973 forward
Luminescence
sn Used from 1973 forward
rt Fluorescence
Lungs
sn Used only before 1973
u Respiratory system
Lutetium
sn Used from 1980 forward
Lutetium compounds
sn Used from 1980 forward
Lymphatic pathology
sn Used from 1980 forward
rt Pathology
Lymphatic system
sn Used from 1980 forward
Machinery

  - sn Used from 1972 forward
- **Magnesium**
  - sn Used from 1979 forward
- **Magnesium compounds**
  - sn Used from 1973 forward
- **Maintenance**
  - sn Used from 1977 forward
- **Malathion**
  - rt Insecticides
- **Mammals**
  - rt Animals
- **Manganese**
- **Manganese compounds**
  - sn Used from 1973 forward
- **Manufactured gas**
  - sn Used from 1973 forward
  - rt Natural gas
- **Marine environments**
  - sn Used from 1973 forward
  - sn Use singular form before 1973
  - uf Marine resources after 1973
  - rt Aquatic environments
  - rt Estuaries
- **Marine life**
  - sn Used only before 1971
  - u Marine organisms
- **Marine organisms**
  - uf Marine life after 1970
  - rt Aquatic organisms
  - rt Coelenterata
  - rt Crustaceans
  - rt Echinodermata
  - rt Mollusca
  - rt Pelagic organisms
- **Marine pollution**
  - sn Used only before 1973
- **Marine resources**
  - sn Used only before 1973
  - u Marine environment
  - u Resource management
  - rt Water resources
- **Marshes**
  - sn Used only before 1973
  - u Wetlands
- **Masers**
  - sn Used from 1980 forward
- **Mass spectrometry**
  - sn Used only before 1973
  - u Mass spectroscopy
- **Mass spectroscopy**
  - sn Used from 1973 forward
  - uf Mass spectrometry after 1972
  - rt Spectroscopy
- **Materials protection**
  - sn Used from 1971 forward
  - uf Corrosion protection after 1972
- **Materials recovery**
  - rt Chemical recovery
  - rt Mineral recovery
- **Materials reuse**
  - sn Used only before 1971
  - u Recycling
- **Mathematical analysis**
  - sn Used from 1973 forward
  - rt Numerical analysis
  - rt Statistical analysis
- **Mathematical models**
  - sn Use with period for full 1973 set
- **Measuring instruments**
  - sn Used from 1973 forward
  - sn Use with period for full 1973 set
  - uf Radiometers after 1972
  - rt Instruments
  - rt Monitoring instruments
  - rt Sampling instruments
- **Measuring methods**
  - sn Used from 1973 forward
  - sn Use with period for full 1973 set
  - rt Monitoring methods
  - rt Sampling methods
- **Measuring systems**
  - sn Used from 1974 forward
- **Meat processing industry**
  - sn Used only before 1973
  - u Food processing industry
- **Mechanical collectors**
  - sn Used from 1973 forward
  - rt Chemical collectors
  - rt Electric collectors
  - rt Gravity collectors
  - rt Impingement collectors
  - rt Inertial separators
  - rt Settling chambers
- **Membranes**
- **Mendelevium**
  - sn Used from 1980 forward
- **Mendelevium compounds**
  - sn Used from 1980 forward
- **Mercury**
- **Mercury compounds**
- **Mercury contamination**
  - sn Used only before 1973
- **Mercury levels**
- **Metabolic reactions**
  - sn Used only before 1972
  - u Metabolism
- **Metabolism**
  - uf Metabolic reactions after 1971
  - uf Oxygen uptake after 1972
  - uf Plant metabolism after 1972
  - uf Plant uptake after 1972
  - uf Uptake
- **Metabolites**
- **Metal finishing industry**
  - rt Foundries
- **Metal finishing industry wastes**
- **Metal industry**
  - uf Steel industry after 1972
  - uf Steel mills after 1972
- **Metal industry wastes**
  - sn Used from 1973 forward
- **Metallurgical fuels**
  - sn Used from 1980 forward
  - rt Fuels
- **Metals**
  - rt Heavy metals
- **Meteorology**
  - rt Weather
- **Methane**
  - sn Used 1970-72 and 1977 forward
  - rt Natural gas
- **Microbial activity**
- **Microbial contamination**
  - sn Used only before 1973
- **Microbial degradation**
  - sn Used only before 1973
- **Microbiology**
  - sn Used from 1973 forward
  - rt Bacteriology
- **Microflora**
  - sn Used only before 1973
  - u Microorganisms
- **Microorganisms**
  - uf Microflora after 1972
- **Microscopy**
  - sn Used from 1973 forward
  - uf Electron microscopy after 1976
- **Microstraining**
  - sn Used only before 1973
  - u Straining
- **Microwave radiation**
  - sn Used from 1973 forward
  - uf Microwaves after 1972
  - rt Radiati
- **Microwaves**
  - sn Used only before 1973
  - u Microwave radiation
- **Milk**
- **Mine drainage**
  - uf Acid mine drainage after 1972
  - rt Acidic wastes
  - rt Mine waters
- **Mine waters**
  - uf Acid mine water after 1972
  - rt Acidic wastes
  - rt Mine drainage
- **Mineral recovery**
  - rt Chemical recovery
  - rt Materials recovery
- **Minerals**
  - sn Used from 1971 forward
  - sn Also use specific mineral names
- **Mining**
  - sn Used from 1973 forward
  - uf Coal industry after 1973
  - uf Copper industry after 1972
  - uf Mining industry after 1972
  - rt Surface mining
  - rt Underground mining
- **Mining industry**
  - sn Used only before 1973
  - u Mining
- **Mining wastes**
  - rt Acidic wastes
- **Mirex**
  - rt Insecticides
- **Mists**
  - uf Fiber mist after 1971
  - rt Aerosols
  - rt Dusts
  - rt Fumes
  - rt Smoke

rt Sprays
rt Vapors
Molecular spectroscopy
sn Used from 1975 forward
rt Spectroscopy
Mollusca
sn Used from 1977 forward
uf Gastropods after 1977
uf Lamellibranchs after 1977
uf Mollusks after 1976
uf Oysters after 1972
rt Marine organisms
Molluscicide residues
Molluscicides
sn Used from 1974 forward
rt Pesticides
Mollusks
sn Used only before 1977
u Mollusca
Molybdenum
Molybdenum compounds
sn Used from 1978 forward
Monitoring instruments
sn Used from 1973 forward
uf Infrared detectors after 1972
rt Instruments
rt Measuring instruments
rt Sampling instruments
Monitoring methods
sn Used from 1973 forward
sn Use with period for full 1973 set
rt Measuring methods
rt Sampling methods
Monitoring stations
sn Used only before 1973
u Monitoring systems
Monitoring systems
sn Use with period for full 1973 set
uf Air monitoring systems after 1972
uf Monitoring stations after 1972
rt Remote sensing
rt Sampling systems
Morbidity
sn Used from 1974 forward
rt Mortality
Morphology
sn Used from 1973 forward
Mortality
sn Used from 1973 forward
rt Morbidity
Mortality rate
sn Used from 1974 forward
sn Use plural form before 1974
Mosses
sn Used only before 1977
u Bryophytes
Motor vehicles
sn Used from 1972 forward
uf Automobiles after 1972
uf Electric cars after 1972
rt Transportation
Mufflers
sn Used only before 1973
u Automotive exhaust equipment
Multifuel engines
sn Used from 1980 forward
rt Engines
Municipal refuse
uf Urban refuse after 1972
rt Refuse
Municipal wastes
Municipal wastewaters
sn Used from 1976 forward
sn Use singular form 1970-72
sn Use Municipal waste waters 1973-75
rt Effluents
rt Wastewaters
Municipal water supplies
rt Water supplies
Muscular pathology
sn Used from 1976 forward
rt Pathology
Muscular system
sn Used from 1974 forward
Mutagens
sn Used from 1971 forward
rt Carcinogens
rt Genetics
rt Mutation
Mutation
sn Used from 1973 forward
sn Use plural form before 1973
rt Genetics
rt Mutagens
NAA
sn Used from 1980 forward
uf Neutron activation analysis
Natural gas
rt Fossil fuels
rt Manufactured gas
rt Methane
Navigable waters
sn Used only before 1973
u Waterways
Nemathelminthes
sn Used 1977-80
u Worms after 1980
Nematocide residues
sn Used from 1977 forward
Nematocides
sn Used from 1973 forward
rt Anthelmintics
rt Pesticides
Neodymium
sn Used from 1980 forward
Neodymium compounds
sn Used from 1980 forward
Neon
sn Used from 1980 forward
Neon compounds
sn Used from 1980 forward
Neptunium
sn Used from 1974 forward
Neptunium compounds
sn Used from 1980 forward
Nerve gas
sn Used only before 1972
Nervous system
Nervous system pathology
sn Used from 1973 forward
rt Pathology
Neuromuscular pathology
sn Used from 1973 forward
rt Pathology
Neuromuscular system
sn Used from 1973 forward
Neutralization
Neutron activation analysis
sn Used only before 1973
u Nuclear radiation spectroscopy 1973-80
u NAA after 1980
Nickel
Nickel compounds
sn Used from 1973 forward
Niobium
sn Used from 1977 forward
Niobium compounds
sn Used from 1976 forward
Nitrate removal
sn Used from 1971 forward
Nitrates
sn Used only before 1977
Nitric oxide
Nitrification
rt Denitrification
Nitriles
u Cyanides
Nitrogen
rt Gases
rt Nutrients
Nitrogen compounds
uf Ammonium after 1972
Nitrogen cycle
rt Decay
Nitrogen dioxide
Nitrogen fixation
Nitrogen oxides
Nitrogen removal
rt Denitrification
NMR
sn Used from 1980 forward
uf Nuclear magnetic resonance
rt Spectroscopy
Nobelium
sn Used from 1980 forward
Nobelium compounds
sn Used from 1980 forward
Noise absorption
sn Used only before 1973
u Acoustic absorption
Noise control
sn Used only before 1973
u Noise reduction
Noise damping
sn Used only before 1973
u Acoustic damping
Noise generation
sn Used only before 1973
Noise levels
rt Acoustics
rt Sound waves
Noise measurement

- sn Used only before 1974
- u Acoustic measurements
- **Noise reduction**
  - sn Use with period for full 1973 set
  - uf Noise control after 1972
  - rt Acoustics
- **Noise sources**
  - sn Used only before 1974
  - u Industrial noises
  - u Transportation noises
  - u Urban noises
- **Noise standards**
- **Nonpoint pollution**
  - sn Used from 1980 forward
- **Nuclear energy**
  - sn Used from 1973 forward
- **Nuclear explosions**
  - rt Explosions
- **Nuclear facilities**
- **Nuclear fission**
  - sn Used only before 1973
- **Nuclear fuels**
  - sn Used from 1973 forward
  - rt Fuels
- **Nuclear fusion**
  - sn Used only before 1973
- **Nuclear magnetic resonance**
  - u NMR
- **Nuclear power plants**
  - rt Electric power plants
  - rt Power plants
- **Nuclear radiation spectroscopy**
  - sn Used from 1973 forward
  - uf Neutron activation spectroscopy after 1972
  - rt Spectroscopy
- **Nuclear reactors**
- **Nucleic acids**
  - sn Used from 1973 forward
- **Numerical analysis**
  - sn Used from 1973 forward
  - rt Mathematical analysis
  - rt Statistical analysis
- **Nutrients**
  - rt Nitrogen
  - rt Phosphorus
- **Nutrition**
- **Occupational health**
  - sn Used from 1973 forward
  - sn Use with period for full 1973 set
  - uf Occupational health hazard
  - rt Epidemiology
  - rt Public health
- **Occupational health hazard**
  - u Occupational health
- **Ocean dumping**
- **Oceanography**
  - sn Used from 1973 forward
- **Oceans**
  - sn Used from 1973 forward
  - sn Ocean names in Geographic Term List
- **Odors**
  - uf Industrial odors after 1972
- **Offshore drilling**
  - sn Used only before 1973
  - u Offshore operations
- **Offshore equipment**
  - sn Used from 1973 forward
  - uf Offshore platforms after 1972
  - uf Offshore wells after 1972
- **Offshore exploitation**
- **Offshore exploration**
- **Offshore operations**
  - uf Offshore drilling after 1973
  - rt Oil and gas operations
- **Offshore pipelines**
  - sn Used only before 1973
  - u Underwater pipelines
- **Offshore platforms**
  - sn Used only before 1973
  - u Offshore equipment
- **Offshore wells**
  - sn Used only before 1973
  - u Offshore equipment
- **Oil and gas operations**
  - rt Offshore operations
  - rt Petroleum industry
- **Oil booms**
  - sn Used only before 1973
  - u Oil removers
  - u Oil spill containment
- **Oil discharges**
  - uf Oily wastes after 1972
- **Oil fields**
  - rt Oil wells
- **Oil industry**
  - sn Used only before 1973
  - u Petroleum industry
- **Oil pollutants**
  - sn Used only before 1973
- **Oil pollution**
- **Oil pollution control**
- **Oil pollution prevention**
  - sn Used from 1978 forward
- **Oil recovery**
  - sn Used from 1973 forward
- **Oil refineries**
  - sn Used only before 1973
  - u Refineries
- **Oil removal**
  - sn Used from 1980 forward
- **Oil removers**
  - uf Oil booms after 1972
  - uf Oil skimmers after 1972
  - uf Oil spill removers after 1972
  - rt Dispersants
  - rt Oil spill containment
- **Oil skimmers**
  - sn Used only before 1973
  - u Oil removers
- **Oil slicks**
- **Oil spill containment**
  - uf Oil booms after 1972
  - uf Oil spill control after 1972
  - rt Oil remove
- **Oil spill control**
  - sn Used only before 1973
  - u Oil spill containment
- **Oil spill prevention**
  - sn Used only before 1973
- **Oil spill removers**
  - sn Used only before 1973
  - u Oil removers
- **Oil spills**
- **Oil tankers**
  - sn Used only before 1973
  - u Ships
- **Oil wells**
  - rt Oil fields
  - rt Wells
- **Oil-water separators**
- **Oils**
  - sn Used from 1973 forward
  - sn Use singular form before 1973
  - rt Fuel oils
- **Oily wastes**
  - sn Used only before 1973
  - u Oil discharges
- **Olfaction**
  - sn Used from 1974 forward
- **Open burning**
  - sn Used from 1973 forward
- **Optical analysis**
  - sn Used from 1973 forward
  - rt Polarimetry
  - rt Refractometry
  - rt Spectroscopy
  - rt Turbidimetry
- **Organic compounds**
  - sn See Chemical Classifications, Section Q
- **Organic matter**
  - sn Used only before 1973
- **Organic particulates**
  - sn Used only before 1973
  - u Particulates
- **Organic pesticides**
  - sn Used 1970-80
- **Organic wastes**
- **Organochlorine compounds**
  - sn Used from 1973 forward
  - uf Chlorinated hydrocarbon compounds after 1979
- **Organochlorine insecticides**
  - sn Used only before 1973
- **Organochlorine pesticides**
  - sn Used only before 1973
- **Organomercury compounds**
  - sn Used from 1974 forward
- **Organophosphate insecticides**
  - sn Used only before 1973
- **Organophosphorus compounds**
  - sn Used from 1973 forward
  - sn Also use variant spelling Organophosphorous
- **Organophosphorus pesticides**
  - sn Used only before 1973
- **Organosulfur compounds**
  - sn Used from 1980 forward
- **Organs**
  - sn Used from 1973 forward
- **Osmium**

sn Used from 1978 forward
Osmium compounds
sn Used from 1978 forward
Outfalls
rt Disposal sites
Oxidants
Oxidation
rt Biological oxidation
rt Chemical oxidation
Oxidation ponds
sn Used only before 1973
u Lagoons
Oxygen
Oxygen balance
Oxygen compounds
sn Used from 1974 forward
Oxygen content
Oxygen demand
rt BOD
rt COD
rt TOD
Oxygen transfer
sn Used only before 1973
u Aeration
Oxygen uptake
sn Used only before 1973
u Metabolism
Oxygenation
Oysters
sn Used only before 1974
u Mollusca
Ozonation
rt Disinfection
Ozone
rt Disinfectants
Packaging industry
Packaging industry wastes
sn Used from 1973 forward
Paint industry
sn Used from 1973 forward
Paint industry wastes
sn Used from 1973 forward
Paints
rt Pigments
Palladium
Palladium compounds
sn Used from 1976 forward
Paper industry
uf Kraft mill processes after 1972
uf Kraft mills after 1972
uf Pulp mills after 1972
Paper industry wastes
sn Used from 1973 forward
uf Kraft mill wastes after 1972
Paper wastes
Papers
sn Used from 1973 forward
Paraquat
sn Used from 1973 forward
rt Herbicides
Parathion
Particle capture
sn Used only before 1973
Particle sizes
sn Used from 1973 forward
sn Also use singular form 1970-79
Particulate composites
sn Used only before 1972
u Particulates
Particulates
uf Air particulates after 1972
uf Organic particulates after 1972
uf Particular composites after 1971
rt Aerosols
Patents
sn Used for document type
Pathogens
Pathology
sn Used from 1973 forward
rt Carcinogenesis
rt Cardiovascular pathology
rt Circulatory pathology
rt Digestive pathology
rt Diseases
rt Endocrine pathology
rt Excretory pathology
rt Hematopoietic pathology
rt Integumentary pathology
rt Lymphatic pathology
rt Muscular pathology
rt Nervous system pathology
rt Neuromuscular pathology
rt Reproductive pathology
rt Respiratory pathology
rt Sense organ pathology
rt Skeletal pathology
rt Urogenital pathology
rt Vascular pathology
PBB compounds
sn Used from 1980 forward
uf Polybrominated biphenyl compounds
PCB compounds
sn Used from 1973 forward
uf Polychlorinated biphenyls after 1972
Peat
sn Used from 1974 forward
rt Fossil fuels
Pelagic organisms
sn Used from 1974 forward
rt Marine organisms
Peroxyacetyl nitrates
sn Used only before 1972
u Phytotoxicants
Peroxyacyl nitrates
sn Used only before 1972
u Phytotoxicants
Peroxybenzoyl nitrates
sn Used only before 1972
u Phytotoxicants
Pest control
Pesticide decomposition
Pesticide levels
sn Used only before 1973
Pesticide poisoning
sn Used only before 1973
Pesticide residues
Pesticides
sn See Pesticides Classification, Section Q
uf Fumigants
rt Anthelmintics
rt Avicides
rt Fungicides
rt Herbicides
rt Insecticides
rt Molluscicides
rt Nematocides
rt Piscicides
rt Rodenticides
Petrochemical industry
sn Used only before 1973
u Chemical industry
Petrochemicals
sn Used from 1971 forward
rt Chemicals
Petroleum
uf Crude oil after 1972
Petroleum industry
uf Oil industry after 1972
rt Gas industry
rt Oil and gas operations
Petroleum industry wastes
sn Used from 1973 forward
Petroleum products
sn Used only before 1973
Petroleum wastes
sn Used from 1971 forward
pH
rt Acidity
rt Alkalinity
Pharmacokinetics
sn Used from 1980 forward
Pharmacology
sn Used from 1973 forward
rt Biochemistry
rt Drugs
rt Toxicology
Phenol
sn Used only before 1973
u Aromatic compounds
Phosphate removal
Phosphates
Phosphorus
rt Eutrophication
rt Nutrients
Phosphorus compounds
sn Used from 1973 forward
Phosphorus removal
Photochemical oxidants
sn Used only before 1973
Photochemical pollutants
sn Used only before 1973
u Air pollutants
Photochemical process
sn Used from 1973 forward
Photochemical reactions
sn Used only before 1973
Photochemical smog
rt London smog
rt Smogs
Photochemicals
sn Used from 1973 forward
rt Chemicals

- **Photography**
  - uf Aerial photography after 1972
  - rt Remote sensing
- **Photolysis**
- **Photooxidation**
- **Photosynthesis**
  - rt Biosynthesis
- **Physical analysis**
  - sn Used from 1973 forward
- **Physicochemical treatment**
  - sn Used from 1973 forward
  - sn Use with period for full 1973 set
- **Physics**
  - sn Used from 1973 forward
- **Physiology**
- **Phytoplankton**
  - rt Algae
  - rt Aquatic organisms
  - rt Freshwater organisms
  - rt Marine organisms
  - rt Plankton
  - rt Zooplankton
- **Phytotoxicants**
  - sn Used from 1973 forward
  - uf Peroxyacetyl nitrates after 1971
  - uf Peroxyacyl nitrates after 1971
  - uf Peroxybenzoyl nitrates after 1971
- **Pickle liquor**
  - sn Used only before 1973
  - u Cleaning process
- **Picloram**
  - sn Used from 1977 forward
- **Pigmentation**
  - sn Used from 1974 forward
- **Pigments**
  - sn Used from 1973 forward
  - uf Chlorophyll after 1975
  - rt Paints
- **Pilot plants**
- **Pipelines**
  - rt Underwater pipelines
- **Pipes**
  - sn Used from 1971 forward
- **Piscicide residues**
  - sn Used from 1974 forward
- **Piscicides**
  - sn Used from 1975 forward
  - rt Pesticides
- **Plankton**
  - rt Phytoplankton
  - rt Zooplankton
- **Plant growth**
  - sn Used only before 1973
  - u Growth
- **Plant metabolism**
  - sn Used only before 1973
  - u Metabolism
- **Plant uptake**
  - sn Used only before 1973
  - u Metabolism
- **Plants**
  - uf Flora after 1975
  - uf Leaves after 1974
  - uf Microflora 1972-79
  - rt Angiosperms
  - rt Vegetation
- **Plastics**
- **Plastics industry**
- **Plastics industry wastes**
  - sn Used from 1974 forward
- **Platinum**
  - sn Used from 1974 forward
- **Platinum compounds**
  - sn Used from 1976 forward
- **Platyhelminthes**
  - sn Used 1977-80
  - u Worms after 1980
- **Plume rise**
  - sn Used only before 1973
- **Plumes**
  - sn Used from 1973 forward
- **Plutonium**
- **Plutonium compounds**
  - sn Used from 1974 forward
- **Polarimetry**
  - sn Used from 1972 forward
  - rt Optical analysis
- **Polarography**
  - rt Electrochemistry
- **Politics**
  - sn Used from 1973 forward
- **Pollutant analysis**
  - sn Use with period for full 1973 set
- **Pollutant deposition**
  - sn Used from 1977 forward
- **Pollutant detection**
  - sn Used from 1973 forward
  - uf Pollutant tracing after 1972
- **Pollutant dispersal**
  - rt Dispersion
  - rt Leaching
- **Pollutant persistence**
  - sn Used from 1973 forward
- **Pollutant removal**
  - sn Used from 1971 forward
  - rt Contaminant removal
- **Pollutant tracing**
  - sn Used only before 1973
  - u Pollutant detection
- **Pollution control**
- **Pollution control equipment**
  - uf Control equipment after 1972
  - rt Exhaust equipment
- **Pollution forecasting**
  - sn Used from 1976 forward
  - rt Air pollution forecasting
- **Pollution indicators**
  - sn Used only before 1972
  - u Bioindicators
- **Pollution prevention**
  - sn Used only before 1973
- **Pollution violations**
- **Polonium**
  - sn Used from 1971 forward
- **Polonium compounds**
  - sn Used from 1980 forward
- **Polybrominated biphenyl compounds**
  - u PBB compounds
- **Polychlorinated biphenyls**
  - sn Used only before 1973
  - u PCB compounds
- **Polyelectrolytes**
  - sn Used only before 1973
- **Polymers**
  - rt Resins
- **Ponds**
  - sn Not used for waste treatment
  - rt Freshwater environments
  - rt Lagoons
- **Population control**
- **Population density**
- **Population depletion**
- **Population explosions**
  - sn Used from 1973 forward
  - sn Use singular form before 1973
- **Population variations**
- **Porifera**
  - sn Used from 1979 forward
  - uf Sponges
- **Ports**
  - sn Used only before 1973
  - u Harbors
- **Potable waters**
  - sn Used from 1973 forward
  - sn Use singular form before 1973
- **Potassium**
- **Potassium compounds**
  - sn Used from 1973 forward
- **Potato wastes**
  - sn Used only before 1973
  - u Agricultural wastes
- **Potentiometry**
  - sn Used from 1975 forward
- **Poultry**
  - sn Used only before 1977
  - u Birds
- **Poultry wastes**
  - sn Used only before 1977
  - u Animal wastes
- **Power generation**
  - sn Used from 1973 forward
- **Power plants**
  - rt Electric power plants
  - rt Nuclear power plants
- **Power sources**
  - sn Used only before 1973
- **Power stations**
  - sn Used only before 1973
- **Praseodymium**
  - sn Used from 1975 forward
- **Praseodymium compounds**
  - sn Used from 1977 forward
- **Precipitation**
  - sn Use only for chemical process after 1980
- **Precipitators**
  - sn Not used for air
- **Predation**
  - sn Used from 1974 forward
- **Predators**
- **Primary production**
  - sn Used only before 1973

  - u Primary productivity
- **Primary productivity**
  - sn Used from 1973 forward
  - uf Primary production
- **Primary treatment**
  - rt Wastewater treatment
- **Promethium**
  - sn Used from 1976 forward
- **Promethium compounds**
  - sn Used from 1980 forward
- **Propellants**
  - sn Used from 1973 forward
  - uf Solid fuels
  - rt Fuels
- **Propulsion systems**
- **Protactinium**
  - sn Used from 1977 forward
- **Protactinium compounds**
  - sn Used from 1980 forward
- **Proteins**
  - rt Amino acids
- **Protochordates**
  - u Chordata
- **Protozoa**
- **Psychology**
  - sn Used from 1971 forward
- **Public concern**
  - sn Used from 1973 forward
  - uf Action groups after 1972
- **Public health**
  - sn Use with period for full 1973 set
  - rt Epidemiology
  - rt Humans
  - rt Occupational health
- **Public information**
  - sn Used only before 1973
- **Pulp mills**
  - sn Used only before 1973
  - u Paper industry
- **Pulp wastes**
  - sn Not paper industry wastes
  - sn Not paper wastes
- **Pulping liquors**
  - sn Used only before 1973
- **Pulverization**
- **Pulverized fuels**
  - sn Used from 1975 forward
  - rt Fuels
- **Pumping stations**
- **Pumps**
- **Purification**
  - rt Self-purification
  - rt Water purification
- **Pyrolysis**
- **Quillworts**
  - u Tracheophytes
- **Radiation**
  - rt Alpha radiation
  - rt Beta radiation
  - rt Cosmic radiation
  - rt Gamma radiation
  - rt Infrared radiation
  - rt Irradiation
  - rt Microwave radiation
  - rt Ultraviolet radiation
  - rt X-ray radiation
- **Radiation control**
- **Radiation dosimetry**
  - sn Used from 1977 forward
- **Radiation measurements**
- **Radiation standards**
- **Radiation therapy**
  - sn Used from 1980 forward
- **Radio waves**
  - sn Used from 1973 forward
- **Radioactive accumulations**
  - sn Used only before 1973
- **Radioactive contamination**
  - sn Used only before 1973
- **Radioactive effluents**
- **Radioactive emissions**
- **Radioactive fallout**
- **Radioactive isotopes**
  - sn Used only before 1973
  - u Radioisotopes
- **Radioactive materials**
- **Radioactive wastes**
- **Radioactivity**
- **Radiofrequency spectroscopy**
  - sn Used from 1977 forward
  - rt Spectroscopy
- **Radioisotopes**
  - uf Radioactive isotopes after 1972
  - uf Radionuclides after 1972
  - rt Isotopes
- **Radiometers**
  - sn Used only before 1973
  - u Measuring instruments
- **Radionuclide levels**
  - sn Used only before 1973
- **Radionuclide removal**
  - sn Used only before 1973
- **Radionuclide transport**
  - sn Used only before 1973
- **Radionuclide uptake**
  - sn Used only before 1973
- **Radionuclides**
  - sn Used only before 1973
  - u Radioisotopes
- **Radium**
- **Radium compounds**
  - sn Used from 1979 forward
- **Radon**
- **Radon compounds**
  - sn Used from 1977 forward
- **Rain**
  - sn Used from 1980 forward
- **Reaeration**
  - rt Aeration
- **Receiving waters**
- **Recharge wells**
  - u Injection wells
  - u Water wells
- **Recreation areas**
- **Recycling**
  - uf Materials reuse after 1970
  - rt Waste recycling
  - rt Water recycling
- **Recycling plants**
- **Reduction**
  - sn Used from 1973 forward
  - sn For chemicals
- **Refineries**
  - sn Used from 1973 forward
  - uf Oil refineries after 1972
- **Refinery effluents**
  - sn Used only before 1973
- **Refractometry**
  - sn Used from 1973 forward
  - rt Optical analysis
- **Refuse**
  - sn Used from 1973 forward
  - uf Garbage after 1972
  - rt Municipal refuse
- **Refuse collection**
  - sn Used from 1971 forward
  - rt Waste collection
- **Refuse disposal**
- **Refuse reduction**
  - sn Used only before 1973
- **Regional planning**
  - sn Use with period for full 1973 set
  - rt Federal programs
- **Regional regulations**
  - rt Government regulations
- **Rehabilitation**
- **Remote sensing**
  - uf Aerial photography after 1972
  - uf Aerial surveillance after 1972
  - rt Lidar
  - rt Monitoring systems
  - rt Photography
- **Repellents**
  - sn Used from 1978 forward
  - rt Attractants
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